

## INSTALLATION AND MAINTENANCE INSTRUCTIONS FOR 'ALBERS' TILT-TYPE WATER TROUGHS

### GENERAL GUIDELINES:

The tilt-type water troughs are normally positioned in housing area crossovers or other areas where normal cleaning is difficult to employ. Regular dumping of the trough provides a flush cleaning for those areas. Additionally, the availability of instant, fresh drinking water makes the unit desirable for use in parlor/holding areas, work areas, heifer facilities, etc.

Units require a minimum 3/4" connecting line from the main supply line, and if attached to the supply line in multiples, requires the main supply line and water pressure source to be adequately sized to provide maximum water flow at all troughs during heavy usage. Additionally, because the float is designed as a maximum flow float (full on, full off), with some minor pressure regulation at shut off, some additional 'surge protection' consideration should be made for large supply lines where troughs are connected in multiples. This will help in the prevention of possible 'water hammer' where the lines are maintained at maximum pressure and multiple troughs are in use at the same time.

### INSTALLATION:

Although the units may be mounted directly on the floor or at any desired height, a 'normal' mounting height is 32" above the cow stand floor.

- 1) Flush all supply water lines and hose before connecting to float valve.
- 2) Make sure all connections and fittings are tight.
- 3) Before bolting stand to floor or elevated curb, make sure that the handle works without binding and that the unit is free to tilt without hitting any obstructions.

FLOAT FLOW RATES	
PRESSURE (P.S.I.)	FLOW RATE (GAL./MIN.)
5	14.4
8	18.0
7	22.8
10	27.6
13	32.4
17	38.4
20	40.8
23	43.2
26	45.5
29	48.0
31	49.2
34	51.8
37	52.5
40	54.0
43	55.2
49	58.8
52	60.0

### MAINTENANCE:

- 1) Dump and clean regularly to maintain maximum water cleanliness.
- 2) Periodically check all fittings and connections for tightness and damage due to contact with animals.
- 3) Remove, clean, and inspect float valve regularly.
- 4) Inspect ice preventer valve (if ordered) before each season.
- 5) Visually inspect connection hose regularly for possible wear.

**WARRANTY:** All products fabricated by Seller are warranted against failure due to defective material or workmanship for a period of one (1) year after shipment. However, the Seller's liability in connection with this warranty is limited to furnishing (but not dismantling and/or installing) necessary material F.O.B. factory with freight allowed to destination. Albers reserves the right to determine what material or workmanship is defective. Seller makes no other warranty, either expressed or implied, of any kind or character and specifically makes no warranty as to the merchantability of any product fabricated or sold by seller.